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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/960,258	09/21/2001	Paramvir Bahl	MS1-937US	4336
22801	7590	11/30/2005	EXAMINER	
LEE & HAYES PLLC 421 W RIVERSIDE AVENUE SUITE 500 SPOKANE, WA 99201			REFAI, RAMSEY	
			ART UNIT	PAPER NUMBER
			2152	
DATE MAILED: 11/30/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 09/960,258	Applicant(s) BAHL ET AL.	
	Examiner Ramsey Refai	Art Unit 2152	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 14 September 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-7, 19-26 and 38-40 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7, 19-26, 38-40 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Response to Amendment***

1. Responsive to Amendment received on September 14, 2005.

Claims 1-7, 19-26, and 38-40 remain pending.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-5, 19-23, and 38-40 are rejected under 35 U.S.C. 102(e) as being anticipated by Chang et al (U.S. Patent No. 6,487,406).

4. As per claim 1, Chang et al teach a method for broadcasting an announcement signal, comprising:

broadcasting a network identifier signal that uniquely identifies a computer network  
**(column 5, lines 40-60 and column 7, lines 7-17);**

broadcasting an authorizer signal that identifies an authorizer network address on the computer network, the authorizer network address being associated with an authorizer that is configured to authorize mobile clients to utilize the computer network **(column 5, lines 40-60 and column 7, lines 7-17);** and

broadcasting a verifier signal that identifies a verifier network address on the computer network, the verifier network address being associated with a verifier that is configured to verify data packets sent by mobile clients utilizing the computer network (**column 7, lines 7-17 and lines 28-30**).

5. As per claim 2, Chang et al teach that each signal is broadcast periodically (**column 8, lines 19-23**).

6. As per claim 3, Chang et al teach a network identifier signal, the authorizer signal and the verifier signal are broadcast together in an announcer signal (**column 5, lines 40-60 and column 7, lines 7-17**).

7. As per claim 4, Chang et al teach the authorizer network address and the verifier network address are Internet Protocol (IP) addresses (**column 7, lines 7-17**).

8. As per claim 5, Chang et al teach the verifier is preferred verifier, and the method further comprises substituting a network address of an alternate verifier for the network address of the preferred verifier (**column 7, lines 18-47, column 1, lines 47-67, and column 8, lines 19-40**).

9. As per claim 19-23, these claims contain similar limitations as claims 1-5 above, therefore are rejected under the same rationale.

10. As per claim 38, Chang et al teach a system, comprising:  
a network identifier; an authorizer identifier; a verifier identifier (**column 7, lines 10-15 and column 5, lines 40-60**);  
a signal generator configured to generate a signal that communicates the network identifier, the authorizer identifier and the verifier identifier (**column 5, lines 40-55 and column 8, lines 40-55**).
11. As per claim 39, Chang et al teach a memory that stores the network identifier, the authorizer identifier and the verifier identifier (**column 7, lines 7-17 and column 14, lines 9-10**).
12. As per claim 40, Chang et al teach a receiver configured to accept the network identifier, the authorizer identifier and the verifier identifier as input data (**column 5, lines 40-50**).

***Claim Rejections - 35 USC § 103***

13. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
14. Claims 6-7 and 24-25 rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al (U.S. Patent No. 6,487,406) and Hulthen et al (U.S. Patent No. 6,073,016).

15. As per claim 6 Chang et al fails to teach determining if the preferred verifier has reached a load threshold.

16. However, Hulthen et al teach determining when a host computer that reaches a maximum number of sessions (**column 11, lines 5-10**). It would have been obvious to one of the ordinary skill in the art at the time of the applicant's invention to combine the teachings of Chang et al and Hulthen et al because Hulthen et al's use of determining if a computer has reached a threshold in Chang et al's method would provide a load balancing feature for detecting if verifiers have reached a maximum load and then substituting an alternate verifier address to redirect all other inquires to the new verifier.

17. As per claim 7, Hulthen et al teach fail to teach detecting a preferred verifier failure.

18. However, Hulthen et al teach determining when a host computer that reaches a maximum number of sessions (**column 11, lines 5-10**). It would have been obvious to one of the ordinary skill in the art at the time of the applicant's invention to combine the teachings of Chang et al and Hulthen et al because Hulthen et al's use of determining if a computer has reached a threshold in Chang et al's method would provide a load balancing feature for detecting if verifiers have reached a maximum load and then substituting an alternate verifier address to redirect all other inquires to the new verifier.

19. As per claims 24-25, they contain similar limitations as claims 6-7 above, therefore are rejected under the same rationale.

*Response to Arguments*

20. Applicant's arguments have been fully considered but they are not persuasive.
- In the remarks, the applicant argues in substance that Chang et al fails to teach each and every element of claim 1 and that the office action lacks specificity why Chang et al anticipated claim 1.
  - In response, the Examiner respectfully disagrees. It appears that the Applicant has taken the opportunity to unreasonably assume the Office's position due to the so-called "lack of specificity". Applicant is reminded that the Office is not required to state specific citations unless the reference is complex or describes inventions different than that claimed by the Applicant ( 37 CFR 1.104) Both the instant application and the Chang et al reference are directed to establishing/maintaining network connectivity as roaming users travel across different networks. Applicant is also reminded that claims must be given their broadest reasonable interpretation and that the entire reference, not just the columns and lines cited by the Examiner, must be taken into consideration.

Claim 1 of the instant application is directed to broadcasting an announcement signal that comprises a network identifier signal the identifies a computer network, an authorizer signal that identifies an authorizer network address being associated with an authorizer that is configured to authorize mobile clients to use the computer network; and a verifier signal that identifies a verifier network address being associated with a verifier which verifies data packets sent by mobile clients using the computer network.

Chang et al teach that a PCS network broadcasts system information **(announcement signal)**, which includes a PCS registration identification **(network**

**identifier signal**), a Base station (BS) identification (**authorizer signal**) and a Base Switching Center (BSC) identifier (**verifier signal**). When a MS moves from one sub network to another, the MS uses the system information broadcast to determine if it has a PCS registration area or not and whether a PCS registration procedure must be performed. The BS provides wireless connectivity to the registered mobile stations. The BCS analyzes data in the received signal to determine if the MS has moved from within the same subnet or from a different subnet by referring to its MS-BS association table. Therefore Chang et al meets the scope of the claimed limitations. (see column 5, lines 10-67, column 8, lines 19-67, column 7, lines 7-56, column 9, lines 15-55)

### *Conclusion*

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.




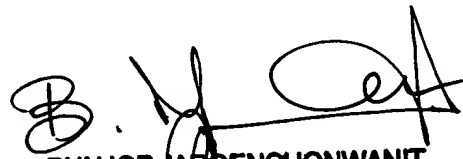
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramsey Refai whose telephone number is (571) 272-3975. The examiner can normally be reached on M-F 8:30 - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on (571) 272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ramsey Refai  
Examiner  
Art Unit 2152

RR   
November 25, 2005

  
BUNJOB JAROENCHONWANIT  
PRIMARY EXAMINER